

Potentlostat in Metallography, by Vladmir Cihai,
Milan Prazak, 17 pp.
CZECH, per, Hutnicke Listy, Vol XIII, No 6, 1958,
pp 496-501. 9692311
FTD-TT-64-19

Sci - M/M
May 64

257,434

Hrivnak, D. and Hrivnak, I. MORPHOLOGY OF A BRITTLE STRUCTURAL COMPONENT ARISING DURING THE RESISTANCE WELDING OF LOW-ALLOY STEEL. Jan 60. Order from MT MT Trans-74 Trans. of Hurnicke Listy (Czechoslovakia) 1958, v. 13, no. 6, p. 512-517. DESCRIPTORS: *Steel, Welding, Metallurgy. <i>Handwritten:</i> Hrivnak, D. and Hrivnak, I. Morphology of a brittle structural component arising during the resistance welding of low-alloy steel. Jan 60. MT Trans-74 (Metallurgy--Ferrous Metals, TT, v. 6, no. 5)	61-22874 I. Hrivnak, D. II. Hrivnak, I. III. MT Trans-74 IV. Tollemache, M. de O. (Ot. Brit.) 180571 Office of Technical Services
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A Contribution to the Problem of the Formation
of Longitudinal Cracks in Rail Flanges After
Straightening, by S. Horejs. UNCL

CZECH, per, Hutnicka Listy, Jun 1958, pp 517-526.

ULL m.4367
British Iron and
Steel Ind 1160
(18 16s.0d)

Sci - Min/Met
Apr 59

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The Life of Forging Dies, by J. Elfmak. UECI.

CZECH, rev, Etnické Listy, No 7, 1958,
pp 612-619.

BISI 1346

(18 102.00.)

Sci - Rngr
Sec 59

101, 456

The Planning of Transport in Iron and Steel Works,
by J. Polasek, E. Zelinka. UNCL

CZECH, per, Hutnicke Listy, Jul 1958, pp 626-631.

British Iron and
Steel Ind 1243
(L5 15s.Od.)

RRur - Czechoslovakia
Econ
Jun 59

90, 238

Hot Rolling of Thick Steel Plate Clad on One Side
With Stainless Steels, by M. Zidek, B. Glatz. UNCL
CZECH, par, Hutnicke Listy, Aug 1958, pp 679-687.

British Iron and Steel Ind 1329

Sci - Min/Met
Aug 59

93, 198

Splitek, Rudolf

A FULLY AUTOMATIC APPARATUS FOR DIFFERENTIAL AND GRAVIMETRIC THERMOANALYSIS. [1962]
31p. 116 refs.

Order from SLA \$3.60

62-14782

Trans. of Hutnicke Listy (Czechoslovakia) 1958, v. 13
no. 8, p. 697-705.

DESCRIPTORS: *Instrumentation, *Calorimetry,
Gravimetric analysis, Automation, Metallurgy,
*Galvanometers, *Recording devices.

(Chemistry, TT, v. 9, no. 5)

62-14782

I. Splitek, R.

Office of Technical Services

Hruby, G.

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CSIRO-Trans-10746

NTC-72-14900-11F

Feb 73

The Determination of C in Iron by the Radioactivation
Method, by L. Simon.

CZECH, per, Hutnick Listy, Vol 13, 1958, pp 708-711.

*NTIS TT 71-56070

July 71

The Use of Carbon Steel for the Production of
Heat-Treated (Quenched and Tempered), by
API-E Boring Tubes, by R. Sejncha, V. Smid.
UNCL

CZECH, per, Hutnicke Listy, No 10, 1958,
pp 878-881.

BISI 1505

(L4 10s.08.)

109,422

Sci - Min/Met

Mar 60

The Influence of the Degree of Eccentricity in a
Stiefel Piercing Mill on the Possible Formation of
External Spiral Defects During Piercing, by V.
Dedek.

CZECH, per, Hutnicke Listy, No 10, Prague, 1959,
pp 892-892.

BISI 1505

SMH 62-14174

Sci - Eng

Aug 60

124, 046

Vacuum Casting of Steel, by Z. Motloch.

CZECH, per, Hutnické Listy, Vol XIII, No 11,
1958, pp 1037-1050.

MT 171

Sci - Engr

168,595

Sep 61

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and Ignazowski Second Allg., by J. Ignazowski,
1911.

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Vol. XIII, No. 12,
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Mr. Trans-75
CT-2382

See
J. Ign.

178, 475

Koursky, J. and Jezek, J.
PRECIPITATION OF CARBIDES AND NITRATES
DURING THE TEMPERING OF 12% Cr LOW-CARBON
STEEL. pp 60.
Order from MT

MT Trans-102

Trans. of Hutncke Listy (Czechoslovakia) 1958, v. 13,
no. 12, p. 1095-1105.

DESCRIPTORS: *Steel, *Chromium alloys, Heat
treatment, Carbides, Nitrates.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 7)

61-22877

- I. Koursky, J.
- II. Jezek, J.
- III. MT Trans-102
- IV. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

Klesnil, M. and Rys, P.
THE INITIAL STAGES OF FATIGUE PHENOMENA
IN CARBON STEEL. Jan 60.
Order from MT

MT Trans-76

Trans. of Hutnicke Listy (Czechoslovakia) 1958, v. 13,
no. 12, p. 1116-1123.

DESCRIPTORS: *Steel, Carbon, Heat resistant alloys,
*Fatigue (Mechanics).

(Metallurgy, TT, v. 6, no. 5)

61-22878

- I. Klesnil, M.
- II. Rys, P.
- III. MT Trans-76
- IV. Tollanache, M. de O.
(Gt. Brit.).

180572

Office of Technical Services

The Secondary Hardness of High-Speed Steel,
by J. Jozek, J. Voboril. UNCL

CZECH, per, Hutnicka Listy, No 1, 1959,
pp 47-54.

BISI 1530

(16.5g.00.)

Sci - Min/Mat

110, 281

Mar 60

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From Steels by a Modified Klinger-Joch Method,
by L. Brhacek, et al.

Czech, pat., Patnicka Listy, Vol XIV, No 1, 1950,
pp 54, 55.

HB 4495

Sci - Min/Met

Nov 59

FELTHAM

100,357

Vecera, Z. and Bieber, B.
PHOTOMETRIC DETERMINATION OF SMALL PHOS-
PHORUS CONTENTS IN ALUMINIUM ALLOYS.

Jan 60.

Order from MT 3 3a

MT Trans-77

Trans. of Hutnicke Listy (Czechoslovakia) 1959, v. 14,
no. 1, p. 56-58.

DESCRIPTORS: *Aluminum alloys, *Phosphorus,
Photometers, Determination, Alloys.

MT 66

(Metallurgy, TT, v. 6, no. 5)

61-22879

- I. Vecera, Z.
- II. Bieber, B.
- III. MT Trans-77
- IV. Tollemache, M. de O.
(O. Brit.).

180573

Office of Technical Services

La Structure de la Perlite Formee par la Desintegration
Continue de l'Austenite, by I. Hrivnak. UNCL

CZECH to FRENCH, per, Hutnicke Listy, Vol XIV, Feb 1959,
pp 133-139.

IRSID T 1212
185, Rue President-Roosevelt
Paris 16^{me}

Hrivnak, Ivan.
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THE CONTINUOUS BREAKDOWN OF AUSTENITE.
Jan 60.

Order from MT

MT Trans-78

Transl. of Hutnicky Listy (Czechoslovakia) 1959, v. 14,
no. 2, p. 133-139.

DESCRIPTORS: *Austenite, Transformations, *Pear-
lite.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 7)

61-22880

- I. Hrivnak, I.
- II. MT Trans-78
- III. Tollemache, M. de O.
(Gl. Brit.)

10184

Office of Technical Services

Diffusion of ZN in Ni, by S. Trajkov.
CZECH, per, Hutnicke Listy, Vol 14, 1959, pp 139-141.
*NTIS TT 72-56080

June 72

The Surfacing of Pilger Rolls of Rolling
Mills, by O. Pejnoch, J. ~~Pejnoch~~ ^{USCL}
Kuznik.

CZECH, per, Hutnicke Listy, No 2, 1959,
pp 173-184.

BISI 1507

(L10)

Sci - Engr
Feb 60

GB/41/1577
CTS 02-14656
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Modification of Carbon Extraction Replicas
for Austenitic Steels, by I. Brivnak. USCL

CZECH, per, Hutnicke Listy, No 3, 1959,
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NISI 1508

(IA 15a.0d.)

Sci - Min/Met

Feb 60

109,463

Determination of Oxygen in Aluminum, by LutosK Kopa.

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*AISC ucrl Tr 774 (1)

Sci
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An X-Ray Study of Plastically Formed Kovar
Alloys, by Alexander Spirkov, 8 pp.

CZECH, per, Hutnicke Listy, Vol XIV, No 4, 1959,
pp 316-319.

SLA 61-20196

Sci

Mar 62

Vol VII, No 3

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Determination of Oxygen in Aluminum by Melting in
Vacuum, by Lubos Kopa, 10 pp.

GERMAN, per, Hutnicke Listy, Vol XIV, 1959, pp 322-324.
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AEC UCRL Tr-774(L)

Sci - Chem
Apr 62

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Coatings of Reactor Fuel Elements, by B. Prenosil.

CZECH, EK per, Hutnicka Listy, Vol XIII, No 4, 1959,
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ATTC MCL 632

Sci - Fuels

May 61

DC-10

152,568

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THE NATURE OF THE PRECIPITATES FORMED
FROM MODIFIED 12% CHROMIUM STEEL IN THE
TEMPERATURE RANGE ABOVE 550° C. Jan 60.
Order from MT 4 4s MT Trans-104

Trans. of Hutnicke Listy (Czechoslovakia) 1959, v. 14,
no. 5, p. 469-472.

DESCRIPTORS: *Steel, *Chromium alloys, Heat
treatment.

Metallurgy--Ferrous Metals, TT, v. 6, no. 7)

61-22882

- I. Jezek, C. J.
- II. Koutsky, J.
- III. Pluhar, J.
- IV. MT Trans-104
- V. Tollemache, M. de O.
(Gr. Brit.)

104 104

Office of Technical Services

A Study of the Origin of Non-Metallic Inclusions
in Steel by Means of the Radioactive Isotope Ca^{45} ,
by J. Cadek, et al.

CZECH, per, Hutnické Listy, Vol XIV, No 6, 1959,
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NT 128

Sci- Chem; Min/Met

148, 849

May 61

The Effect of Cold Deformation on the Structure
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CZECH, per, Hutnicko Listy, No 6, 1959,
pp 507-511.

BISI 1509
(15.10s.04.)

Sci - Min/Mat
Mar 60

110,276

Contribution to the Problem of the Production
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CZECH, per, Staviska Listy, No 7, 1959.
pp 569-573.

ZOH 1539

(15.04.01.)

Sci - Engr
Mar 60

110,283

Protection From Radioactive Radiation in Metallurgical
Plants, by J. Kuba. UNCL

CZECH, per, Hutnicke Listy, No 7, 1959, pp 583-588.

*HB 4698

Sci - Chem
Nov 59

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THE EFFECT OF COLD DEFORMATION ON THE
BLOCK STRUCTURE OF PURE ALUMINIUM. Jan 60.
Order from MT MT Trans-79

Trans. of Humicke Listy (Czechoslovakia) 1959, v. 14,
no. 7, p. 598-602.

DESCRIPTORS: *Aluminum, Deformation, Crystal
structure.

(Metallurgy--Nonferrous Metals, TT, v. 6, no. 6)

61-22884

I. Hrivnakova, D.
II. MT Trans-79
III. Tollemache, M. de O.
(Gr. Brit.)

176844

Office of Technical Services

The Effect of the Degree of Reduction of the
Softening of Iron Ores, by J. Leitner.

CZECH, per, Hutnické Listy, Vol XIV, 1959,
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Broken Hill Prop Co Ltd
(CRL/T.660)

Sci - Min/Met
Apr 62

191, 417

OTS TT-62-28099 (RUSSIAN -B FRENCH)

Diffusion of Zn and Cd into Sb, by S. Trajkov.
HUNGARIAN, per, Hutn Listy, Vol 14, 1959, pp 670-673.
*NTIS TT 71-56041

July 71

The Use of Electron Microscopy for the Study
of Kinetic Phenomena in Previously Selected
Areas, by M. Holcik, M. Klesnil. UNCL

CZECH, per, Hutnické Listy, No 8, 1959,
pp 688-692.

BISI 1510

(15 15a.04.)

Sci - Electron; Phys
Feb 60

109,464

The Problem of the Distribution of Precipitation
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V. Cihel, J. Jozek. UNCL

CZECH, per, Hutnicka Listy, No 8, 1959,
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BIBX 1511
(15.5s.0d.)

110,277

Bck - Min/Ket
Mar 60

Sejnova, R.
THE USE OF MANGANESE-VANADIUM STEEL FOR
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Orig. from MT

MT Trans-II

Trans. of Hurnicke Listy (Czechoslovakia) 1959, v. 14,
no. 8, p. 743-748.

DESCRIPTORS: *Manganese steel, *Vanadium alloys,
Heat resistant alloys, Forging, Steel.

(Metallurgy, TT, v. 6, no. 3)

61-22885

- I. Sejnova, R.
- II. MT Trans-II
- III. Tollemache, M. de O.
(Gt. Brit.).

180574

Office of Technical Services

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THE NATURE OF THE PHASES FORMING IN THE
STRUCTURE OF BRITTLE TRANSFORMER SHEET.
Jan 60

Order from MT

MT Trans-80

Trans. of Hutnicke Listy (Czechoslovakia) 1959, v. 14,
no. 9, p. 777-786.

DESCRIPTORS: *Steel, *Sheets, Transformers,
Mechanical properties, Phase studies.

[Metallurgy--Ferrous Metals, TT, v. 6, no. 7)

61-22836

- I. Jezek, J.
- II. Voboril, J.
- III. Cihal, V
- IV. MT Trans-80
- V. Tollemache, M. de O
(Gl. Brit.)

10 JAN 61

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Research Into Material for Drill Pipe Casings
With a Minimum Yield Strength of 98 kg/mm², by
R. Sejncha. UNCL

CZECH, per, Hutnicka Listy, No 9, 1959,
pp 829-840.

BISI 1540

Sci - Engr
Apr 60

(18)

OTS 02-14536

114,320

Historical Development and Present State of the
Theory of the Piercing Process in Seamless Rolled
Tube Manufacture, by B. Pocta.

CZECH, per, Butnicka Listy, Vol XIV, No 10,
Prague, 1959, pp 844-849.

BISI 1948

Sci - Engr

May 61

MT 04

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Improvements in the Photometric Determination of
Silicon, by Z. Konecny.

CZECH, per, Hutnické Listy, Vol XIV, No 10,
Prague, 1959, pp 903, 904.

BISI 1961

Sci - Phys

May 61

148, 118

The Influence of Copper on the Recrystallization
Temperature of Low-Carbon Steels, by M. Zidek.

CZECH, per, Hutnicke Listy, Nov 1959, pp 943-947.

BISI 1807

Sci - Min/Met

Sep 60

127,198

Koutsky, J.
THE ESSENCE OF THE CREEP RESISTANCE OF
MODIFIED 12% Cr. STEELS. Jan 60.
Prder from MT 5 5s

MT Trans-17

Trans. of Hutnicke Listy (Czechoslovakia) 1959, v. 14,
no. 11, p. 951-955.

DESCRIPTORS: *Steel. *Chromium alloys, Creep.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 7)

61-22887

I. Koutsky, J.
II. MT Trans-17
III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

Refining of Open-Hearth and Semi-Basic-Converter
Pig Irons by Oxygen Top-Blowing, by Z. Zdeneš.
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CZECH, per, Hutnicke Listy, Vol XIV, No 12, 1959,
pp 1073-1077.

HB 4773

Sci - Engr

Oct 60

129,108

Low-Alloy Ferritic Steels for the Manufacture
of Tubes, Forgings and Castings for Power Plant,
by F. Sicha, V. Foldyna.

CZECH, per, Rutnicka Listy, No 12, Prague,
1959, pp 1097-1099.

BISI 1660

136,592

EEur - Czechoslovakia

~~136,592~~

The Forgeability of Ferritic Steels for Superheated
Tubes, by O. L. Bihet, M. Caubo.

CZECH, per, Hutnicke Listy, Vol XIV, Prague, 1954
pp 1103-1105.

BISI 1670

also see: French, per, Revue de Metallurgie,
Vol LVII, Jul 1960, pp 607-612.

Sci - Engr
Jun 61

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The Development of Modified 12 Percent Cr Steels
for Forgings and Castings in Steam Turbines,
by J. Koutsky.

CZECH, per, Hutnicke Listy, Prague, No 12,
1959, pp 1105-1107.

BISI 1671

Sci - ~~XX~~ Engr

Sep 60

124,969

Intermetallic Phases in Two Types of Modified
12 Percent Chromium Steels, by J. Pluhar, et al.

CZECH, per, Hutnicka Listy, No 12, Prague,
1959, pp 1108-1111.

BISI 1672

Sci - Chem

NKK 116369

Sep 60

124,971

The Effect of Heat Treatment on the Mechanical Properties and Creep Rupture Strength of 15Cr35NiWTi Precipitation Hardening Austenitic Steel, by L. Cizek.

CZECH, per, Hutnické Listy, Vol XIV, No 12, Prague, 1959, pp 1115-1118.

BISI 1673

NR 15 M 1370
134 304

Stress Relaxation in Heat Resisting Austenitic
Steels, by R. Pech.

CZECH, per, Hutnicke Listy, Vol XIV, No 12,
Prague, 1959, pp 1119-1121.

BISI 1674

Sci - Min/Met

Jul 61

162,753

The Development of Economical High Temperature
Creep-Resistant Austenitic Steels in Czechoslo-
vakia, by F. Poboril.

CZECH, per, Hutnicke Listy, Vol XIV, No 12,
Prague, 1959, pp 1121-1124.

BISI 1675

HEur - Czechoslovakia
Econ
Jun 61

156867

S-623/64

Structural Factors Increasing the Creep Properties
of Age Hardening Ni-Cr Alloys, by W. Betteride,
264p. Government Use Only
~~WSSC~~CZECH, per, Hutnicke Listy, Vol XIV, 1959,
pp 1133-1137.

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*JPRS/SPECIAL/DC-10551

Sci 64^{M/M}
Jun 64

The Calculation and Operational Safety of Steam
Boilers, by P. Bettzieche.

CZECH, per, Hutnicke Listy, Vol XIV, No 12,
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BSBI 1676

Sci - Engr

173, 787

Nov 60

On the Evaluation of Creep Tests, by V. Foldyna.
CZECH, per, Hutnicke Listy, Vol XIV, No 12, 1959,
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CEGB 3166

Sci - Engr
Apr 64

255,123

REFLECTIONS ON THE EXTRAPOLATION OF CREEP
RUPTURE TEST RESULTS, BY G. KRUGER.

CZECH. PER. HUTNICKÉ L¹³/TY, VOL XIV, 1959,
PP 1180-1184.

AEI T/1700

SCI - MIN/METALS

173,188

NOV 61

G-B/4/T/1700

SERIAL

(DC-3548)

The Tasks of Our Metallurgical Industry During 1960
and During the Third Five-Year Plan, by Frantisek
Houdek, 13 pp. FOR OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, No 1, Brno, 1960,
pp 1-5.

JPRS 3391

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118,805

EEur - Czechoslovakia
Econ - Mineral/Metals
Jun 60

SECRET

(DC-3548)

Know-How and Experience With the Evaluation of Coal
and Mixtures For the Production of Metallurgical
Coke, by M. F. Kessler, 27 pp. FOR OFFICIAL USE ONLY

Czech, per, Hutnicka Listy, No 1, Brno, 1960,
pp 6-12.

JPRS 3391
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118,304

EEur - Czechoslovakia

Econ - Fuels/ Power

Jun 60

Influence d'un Raccourcissement de la Duree de
Travail du Bain sur la Qualite de l'acier Martin, by
A. Bichler.

to French
CZECH, per, Hutnicke Listy, Vol XV, No 2, 1960,
pp 101-109..

CDS I.T.3320

Sci

Nov 61

The Effect of the Method of Deoxidation on the Nature
of the Non-Metallic Inclusions and Mechanical
Properties of Steel, by M. Mandl, et al.

CZECH, per, Hutnicke Listy, No 2, Prague, 1960,
pp 109-119.

BISI 1668

CS/R0

Sci - Min/Met

Oct 60

A Study of Fatigue Breakdowns in Steels With Various Carbon Contents, by M. Klesnik.

CZECH, per, Rutnicke Listy, Vol XV, No 2, 1960, pp 120-125.

MT 135

Sci - Min/Met

Apr 61

148,097

Effect of Milling Mill Roll Variables on the
Performance of the Process and Occurrence of Defects
in Tube Manufacture, by O. Pejnoch.

CZECH, per, Hutnické listy, No 2, 1960,
pp 157-166.

BISI 1774

NAL M 6366

Sci - Eng

Doc 60

134,079

The Influence of Metallurgical Factors on the
Mechanical Properties of Castings in Thirteen
Percent Chromium Steel Melted in Induction Furnaces,
by J. Koutsky.

CZECH, per, Butnicka Listy, Vol XV, No 3, 1960,
pp 179-188.

MT 136

Sci - Min/Met

Apr 61

148,096

The Causes of Overheating and Burning of Steel, by
J. Elfmark, L. Toman.
CZECH, per, Hutnicke Listy, Vol XXV, No 3, 1960,
pp 200-207.

•BISI 3589

Sci - Engr
Feb 64

Etude des conditions de production d'aciers doux
magnetiques, by L. Kodrle, J. Wozniak.

^{to French}
CZECH, per, Hutnicke Listy, Vol XV, No 4, 1960,
pp 253-260.

CDS I.T.3412

Sci

Nov 61

The Production and Properties of New Fe-Al Alloys,
by ~~Mr~~ A. Kabrhel.

CZECH, per, Hutnicke Listy, Vol XV, No 4, 1960,
pp 260-266.

*U.K. Atomic Energy Authority
Risley, TRG Inf Ser 102(C)

Sci - Min/Metals
Jul 62

Influencing the Solidification of Ingot Hot Tops
by Means of Exothermic Powders and Linings, by
L. Smrha & I. Brodsky.

CZECH, per, Hutnicke Listy, Vol XV, ¹⁹⁶⁰ 1960,
pp 266-275.

~~XXX~~
*MT 114

Sci
Mar 63 63

The Kinetics of Sintering Metal-Ceramic Materials
With Formation of the Liquid Phase, by
Bohuslav Cech, 20 pp. *11*

CZSCH, per, Hutnicke Listy, Vol XV, No 4, 1960,
pp 287-292.
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SLA 61-20080

Sci
Mar 62
Vol VII, No 3

188, 025

(DC-4185)

Fifteen Years of Czechoslovak Metallurgy, by
Vaclav Cerny, 4 pp. FOR OFFICIAL USE ONLY

CZECH, per, Hutnické Listy, Vol XV, No 5,
1960, pp 335-337.

JPRS 6329

JPRS 5725

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Dec 60

134 375

(DC-4185)

Tasks of the Metallurgical Industry in the Period ~~XX~~
1961 to 1965, by Vaclav Horejs, 3 pp.
FOR OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol .XV, No 5, 1960,
pp 337, 338.

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Present Status and Prospects of Ferrous Metallurgy
by Joseph Slavacek, 11 pp. FOR OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 5, 1960,
pp 338-342.

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The Contribution of the New Klement Gottwald
Metallurgical Plant to the Development of
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CZECH, per, Hutnicke Listy, Vol XV, No 5, 1960,
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134,377

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Activity of the Research Institute of Ferrous
Metallurgy, by Ivo Petrmán, 19 pp.
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Research in the Field of Metallurgical
Ceramics, by Jan Pliesovsky, 7 pp.
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CZECH, per, Hutnicke Listy, Vol XV, No 5, 1960,
pp 353-355.

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On Insuring Conditions of High Durability of
Rolls for Cold Rolling During Their Manufacture,
by Z. Kaderavek.

CZECH, per, Hutnicke Listy, Vol XV, No 5, Prague,
1960, pp 355-366.

BISI 2193

Sci - Engr

Jul 61

162,751

Effect of the Rate of Movement on the Thickness
of the Coating During Metallizing in Liquid
Metals, by A. Erbek.

CZECH, per, Hutnické Listy, Vol XV, No 5,
1960, pp 379-382.

MT 153

Sci - Min/Met

148,839

May 61

SETOC

(NY-4581)

Czechoslovak Metallurgy From 1945 to 1960, by
Jiri Ghvojka, 11 pp. FOR OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 6, 1960,
pp 419-422.

JPRS 5801

EEur - Czechoslovakia
Econ
Oct 60

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129,059

A Study of the Ferritic Grain Boundaries in
Iron and Low-Carbon Steels, by I. Hrivnak.

CZECH, per, Hutnické Listy, Vol XV, No 6,
1960, pp 432-441.

MT 173

Sci - Min/Met

Jun 61

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(NY-4581)

SETOC

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Metallurgical Operations, 32 pp. FOR OFFICIAL
USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 6, 1960,
pp 467-474.

JPRS 5801

EFur - Czechoslovakia
Econ
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Instruments for Automation of Metallurgical
Operations Developed and Produced in Trinec
Ironworks, 7 pp. FOR OFFICIAL USE ONLY

CZECH, per, Hutnické Listy, Vol XV, No 6, 1960,
pp 474-476.

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Oct 60

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Vydra, F. and Pribil, R.
INDIRECT CHROMETRIC DETERMINATION OF
COBALT IN STEELS. [1961] 4p.
Order from ATS \$6.75 ATS-04N57C

Trans. of Hutnicke Listy (Czechoslovakia) 1960,
v. 13, no. 6, p. 476-477.

DESCRIPTORS: *Steel, *Cobalt, Determination.

CJ-3352

(Metallurgy--Ferrous Metals, TT, v. 7, no. 5)

62-12364

I. Vydra, F.
II. Pribil, R.
III. ATS-04N57C
IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Dosage Colorimetrique de l'aluminium dans les
aciers, by L. Doubek.

to French
CZECH, per, Hutnicke Listy, Vol XV, No 6, 1960,
pp 477-478.

CDS I.T.3339

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Nov 61

Determination of Calcium in Aluminium and Aluminium
Alloys (Silumins) by Means of a Flame Photometer,
by Z. Kubista, V. Kabicky, H. Tietz.

CZECH, per, Hutnicka Listy, Vol XV, No 6, 1960,
pp 479, 480.

MT 154

Sci - Min/Mat

148,822

The Problem of Intergranular Corrosion of Austenitic
24CR-19Ni Steels, by V. Cihel, et al.

CZECH, per, Hutnicke Listy, Vol XV, No 7, 1960,
pp 518-524.

MT 137

Sci - Chem

Jan 61

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The Effect of Metallurgical Factors on the
Brittleness of Castings in Thirteen Percent
Cr Steel Melted in Arc Furnaces, by J. Kouraky,
F. Kinsky.

CZECH, per, Hutnicke Listy, Vol XV, No 7, 1960,
pp 524-528.

MT 138

Sci - Min/Met

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Apr 61

A Thermodynamic Study of the Effect of
Temperature on the Course of Treatment of
Copper and Lead Mattes by the Converter
Process, by J. Schmiedl, J. Holeczy.
CZECH, per, Hutnicke Listy, Vol 15, No 7,
1960, pp 529-537.
MT-493

Sci-Materials
Oct 66

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Paraky, Roman.
SPECIAL ATMOSPHERES IN SPECTRUM ANALYSIS.
[1963] 15p. 19 refs.
Order from SLA \$1.60

63-14467

Trans. of Humické Listy (Czechoslovakia) 1960,
v. 15, p. 548-552.

DESCRIPTORS: Spectroscopy, Gases, *Air, *Argon,
*Nitrogen, Electrodes, Chemical reactions,
Pressure, Thermal conductivity, Impurities,
*Aluminum, *Zinc, *Magnesium, Analysis, *Gas
discharges, *Controlled atmospheres.

(Physics--Spectroscopy, TT, v. 10, no. 7)

63-14467

I. Paraky, R.

REVERSE TRANS
TO FRENCH by
CEA-X-513
(9214740)

Office of Technical Services

Possibilites d'accroissement de la capacite de
production des bloomings grace a des modifications
de leurs commands, by V. Pokorny.

CZECH to FRENCH, per, Hutnicke Listy, Vol XV, No 8,
1960, pp 598-602.

82
CDS I.T.34

sci
sci

N v 61

Bases of the Calculation of Planetary Mills, by
K. Styblo.

CZECH, per, Hutnicke Listy, Vol XV, No 8, 1960,
pp 609-615.

MT 155

Sci - Engr

148, 833

May 61

Popelar, Vladislav.
MANUFACTURE OF SEAMLESS TUBING ELBOWS BY
HOT DRAWING. [1961] 15p. 4 refs.
Order from RIS \$30.00

RIS 8-68

Trans. of Hutyarsky List (Czechoslovakia) [1960]
v. 15, no. 8, p. 619-625.

DESCRIPTORS: *Steel tubing, *joints, Production,
Manufacturing methods, Deformation.

61-22494

I. Popelar, V.
II. RIS 8-68
III. Research Information
Service, New York

104855

Office of Technical Services

(Machinery--Manufacturing, TT, v. 6, no. 2)

(Machinery--Manufacturing, 11, v. 6, no. 2)

A Study of Hydrogen in Steel Melts From Basic
Furnaces Fired With Gas and Oil, by M. Sicha.

CZECH, per, Hutnicke Listy, Vol XV, No 8,
1960, pp 657-669.

MT 126

Sci - Engr

133,892

Dec 60

A New Method for the Analysis of Carbides in Steel
by B. Brhacek, et al.

CZECH, per, Hutnicke Listy, Vol XV, No 9, Prague,
1960, pp 679-686.

BISI 2017

Sci - Min/Mat

Jun 61

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Kalivoda, Alex.

DETERMINATION OF THE COEFFICIENT OF
ACTIVITY ON CARBON IN ALLOYED FERRITE.

[1961] 8p. (7 footnotes omitted).

Order from SLA \$1. 10

62-10333

Trans. of Hutnicke Listy (Czechoslovakia) 1960,
v. 15, no. 9, p. 687-689.

DESCRIPTORS: *Ferrites, Carbides, *Steel, Alloys,
*Carbon, *Activity coefficient, Determination,
Silicon, Nickel, Manganese, Chromium.

On the basis of the Hillert's formula:

$\frac{a_c}{c}$ cementite + alpha

$\frac{a_c}{c}$ pure cementite + alpha = $-\gamma(4F - 3)$,

$\frac{a_c}{c}$

(Metallurgy, TT, v. 7, no. 8)

(over)

62-10333

I. Kalivoda, A.

201330

Office of Technical Services

A Contribution to the Problem of Developing the
Production of Mechanically Worked Components
From Special Alloys With Limited Forgeability,
by Z. Beringer, V. Pauer.

CZECH, per, Stavnicka Listy, Vol XV, No 9,
1960, pp 705-710.

NT 158

148,843

Sci - Min/Met

May 61

Comment on the Article of Smrha and Brodsky:
Influencing the Solidification of Ingot Hot
Tops by Means of Exothermic Powders and
Linings, by N. Chvorinov.

CZECH, per, Hutnicke Listy, Vol XV, No 9,
1960, pp 720-723.

MT 114A

Sci - Min/Met

136,600

Answer to the Comment of N. Chvorinov, by L.
Sarna, I. Brodsky.

CZECH, per, Natnicka Listy, No Vol XV, No 9,
1960, pp 723, 724.

MT 114B

Sci - Misc

Apr 61